

# Joey Chiao-Yin Hsiao

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## RESEARCH INTERESTS

My research interests are Human-Computer Interaction (HCI), Computer-Supported Cooperative Work (CSCW), and Social Computing. My current topic is focused on how location-based social applications, such as people-nearby applications, hybrid community applications, sharing economy applications, can support newcomers in adapting to a new environment.

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## EDUCATION

University of Michigan	Ann Arbor, MI, USA
<b>Doctoral Candidate in Information</b>	2015/09 – present
Advisor: Dr. Tawanna R. Dillahun	
National Taiwan University	Taipei, Taiwan
<b>M.S. in Computer Science</b>	2010/09 – 2013/06
Advisor: Dr. Jane Yung-Jen Hsu	
Carnegie Mellon University (Silicon Valley Campus)	Moffett Field, CA, USA
<b>Visiting Scholar</b>	2012/07 – 2012/09
Advisor: Dr. Ted Selker	
National Taiwan University	Taipei, Taiwan
<b>B.S. in Computer Science</b>	2006/09 – 2010/06

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## PUBLICATIONS

### Conference Proceeding Papers

- **Hsiao, J. C.-Y.**, Moser, C., Schoenebeck, S., and Dillahun, T. R. (2018). [The Role of Demographics, Trust, Computer Self-efficacy, and Ease of Use in the Sharing Economy](#). In *Proc. of the 1st ACM SIGCAS Conference on Computing and Sustainable Societies (COMPASS '18)*, Article 37 (Presenter).
- **Hsiao, J. C.-Y.**, and Dillahun, T. R. (2017). [People-Nearby Applications: How Newcomers Move Their Relationships Offline and Develop Social and Cultural Capital](#). In *Proc. of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW '17)*, 26-40 (acceptance rate: 33%; Presenter).
- Rajan, R., **Hsiao, J. C.-Y.**, Lahoti, D., and Selker, T. (2013). [“Roger that!” - The Value of Adding Social Feedback in Audio-mediated Communications](#). In *Proc. of IFIP TC.13 International Conference on Human-Computer Interaction 2013 (INTERACT '13)*, 471-488 (acceptance rate: 31%).
- Tsai, W.-C., **Hsiao, J. C.-Y.**, Lee, H.-C., Huang, C.-H., Hu, J.-C., Liang, R.-H., and Hsu, Y.-J. (2013). [Designing a Reminiscence Aid in Personal Soundscape](#). In *Proc. of International Association of Societies of Design Research 2013 (IASDR '13)*, 5150-5160.

### Posters, Workshop Papers, and Presentations

- **Hsiao, J. C.-Y.**, Dillahun, T. R. (2017) [Detecting Life Changes: Increasing Opportunities to Benefit from People-Nearby Applications](#). In *Proc. of The ACM SIGCHI Conference on Human Factors in Computing Systems Extended Abstract 2017 (CHI EA '17)*, 1700 - 1707 (Presenter).
- **Hsiao, J. C.-Y.**, Pan, M.-H., Wang, H.-C., and Hsu, Y.-J. (2015) [Let's Solve It Together: Introducing Crowd Workers to Friendsourcing for Improving Creative Design](#). Presented at *The Taiwan Computer-Human Interaction Workshop 2015 (Tai-CHI '15)* (Presenter).
- **Hsiao, J. C.-Y.**, Pan, M.-H., Wang, H.-C., and Hsu, Y.-J. (2015). [The Price of the Priceless: Understanding Estimated Costs of Work in Friendsourcing](#). In *The ACM SIGCHI Conference on Human Factors in Computing Systems Extended Abstract 2015 (CHI EA '15)*, 1893-1898 (Presenter).
- Tsai, W.-C., Lee, H.-C., **Hsiao, J. C.-Y.**, Liang, R.-H., and Hsu, Y.-J. (2013). [Framing Design of Reminiscence Aids with Transactive Memory Theory](#). In *The ACM SIGCHI Conference on Human Factors in Computing Systems Extended Abstract 2013 (CHI EA '13)*, 331-336.

## Posters, Workshop Papers, and Presentations (Cont.)

- Tsai, W.-C., **Hsiao, J. C.-Y.**, Lee, H.-C., Huang, C.-H., and Hsu, Y.-J. (2012). In Search of Lost Sounds: Designing a Reminiscence Aid in Everyday Soundscape. Presented at *The ACM conference on Designing Interactive Systems 2012 (DIS '12)*.
- **Hsiao, J. C.-Y.**, Jih, W.-R., and Hsu, Y.-J. (2012). Recognizing Continuous Social Engagement Level in Dyadic Conversation by Using Turn-taking and Speech Emotion Patterns. Presented at *AAAI '12 Activity Context Representation Workshop (ACR '12)* (Presenter).

## Unpublished Theses and Technical Reports

- **Hsiao, J. C.-Y.** (2012). Assessing Engagement in Conversation by Hierarchically Decomposing Emotion and Interaction. Master's Thesis, Dept. of Computer Science and Information Engineering (CSIE), Natl. Taiwan Univ.

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## HONOR

Dept. CSIE, Natl. Taiwan Univ.

Taipei, Taiwan

### Graduation Representative

2012

Was chosen as the recognized master's student for leadership and active participation in student affairs of the department

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## PROFESSIONAL EXPERIENCE

Social Innovations Group, School of Information, Univ. of Michigan

Ann Arbor, MI, USA

### Research Assistant

2015/09 – present

Supported Dr. Dillahunt and research of the Social Innovations Group (SIG), which is focused on designing technologies to help low-resourced populations seek employment and education (Advisor: Dr. Tawanna R. Dillahunt)

UX Team, Intel-NTU IoX Center

Taipei, Taiwan

### Workshop Organizer

2015/03 – 2015/05

Organized the collaborative workshop on design thinking of Stanford d.school and National Taiwan University IoX Center

### Research Assistant

2014/07 – 2015/07

Carried out research on user experience and natural user interface under smart environment as the only M.S. member in the team (Advisor: Dr. Bing-Yu Chen)

Collaborative & Social Computing Lab, Dept. CS, Natl. Tsing-Hua Univ.

Hsinchu, Taiwan

### Collaborative Researcher

2014/07 – 2015/07

Led a project on friendsourcing, aiming to understand how social capital works when a SNS user requests resources on her/his own social network (Advisor: Dr. Hao-Chuan Wang)

Taiwan Army (Mandatory Military Service)

Taichung, Taiwan

### Company Chief Consultant (Second Lieutenant)

2013/08 – 2014/07

Handled psychological consulting, human resources management, and welfare of a military company with 40+ members

Intelligent Agents Lab, Dept. CSIE, Natl. Taiwan Univ.

Taipei, Taiwan

### System Administrator

2011/03 – 2013/07

Managed devices and web services for 30+ lab members

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## PROFESSIONAL SERVICES

### Academic Events & Activities

*ACM MobileHCI 2019*

2017/09 – Present

Student Volunteer Chair

*TaiCHI 2015*

2015/01 – 2015/07

Organizing Committee

*OpenHCI Workshop 2014 (student-organized workshop on HCI in Taiwan)*

2014/01 – 2014/07

Steering Committee

*OpenHCI Workshop 2013*

2013/01 – 2013/07

Program Chair

*OpenHCI Workshop 2011*  
Human Resource Manager

2011/01 – 2011/07

**Social Events & Activities**

*Univ. of Michigan, School of Information*  
Doctoral Committee Representative

Start 2018/09

*Annual Taiwan Night at CHI*  
Organizing Committee

2015 - 2018

**Reviewer**

*ACM CHI 2017, 2018*

*ACM CSCW 2017, 2018*

*ACM MobileHCI 2018*

*ACM TEI 2017*

**Conference Student Volunteer**

*ACM COMPASS 2018*

*ACM CSCW 2017*

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**TEACHING EXPERIENCE**

**Teaching Assistant/Graduate Student Instructor**

*School of Information, Univ. of Michigan*  
SI-622: Usability Testing  
Instructor: Prof. Joyojeet Pal

Winter 2018

*School of Information, Univ. of Michigan*  
SI-501: Textual Inquiry  
Instructor: Prof. Kentaro Toyama

Fall 2017

*Dept. CSIE, Natl. Taiwan Univ. &*

*Dept. Design, Natl. Taiwan Univ. of Tech. and Sci.*

Advanced Human-Computer Interface/User-Oriented Innovation Design  
Instructor: Prof. Hsien-Hui Tang & Prof. Mike Y. Chen

2013/02 – 2013/06

*Dept. CSIE, Natl. Taiwan Univ.*

Introduction to Computer Science

Instructor: Prof. Jane Yung-Jen Hsu

2010/09 – 2011/01

**Student Team Coach**

*OpenHCI Workshop 2011*

2011/07

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**VOLUNTEER EXPERIENCE**

**Volunteer for Autism**

*StarRain Service Association for Autism*

Taipei, Taiwan  
2008/02 – 2013/06